

Amend Claim 6 to delete its reference to multiple-dependency and new, single-dependent claims as follows:

In Claim 6, line 1, after "Claim 1" delete "to 5".

- 15. Peptides as defined in Claim 2.--
- 16. Peptides as defined in Claim 3.--
- 17. Peptides as defined in Claim 4.--
- 18. Peptides as defined in Claim 5.--
- 19. Peptides as defined in Claim 13.--
- 20. Peptide as defined in Claim 14.

In Claim 8, after "Claim 6" delete "or 7".

To reflect the dependency of Claim 8 on Claim 7 as originally recited, add the following new claim:

- 21. DNA sequences which code for peptides according to Claim 7.--

Cancel Claims 9-12 and replace them with newly added Claims 22-27.

--22. A method of immunizing pigs against FMDV infection comprising administering to the pigs FMDV vaccine according to Claim 4.--

--23. A method of immunizing cattle against FMDV infection comprising administering to the cattle FMDV vaccine according to Claim 5.--

--24. ~~An article of matter~~ ~~A composition~~ A system for detecting FMDV infected animals, for differentiating vaccinated and infected animals, or for immunizing animals against FMDV comprising a product including peptides according to Claim 6.--

--25. ~~An article of matter~~ ~~A composition~~ A system for detecting FMDV infected animals, for differentiating vaccinated and infected animals, or for immunizing animals against FMDV -- comprising a product including peptides according to Claim 7.--

--26. ~~a composition~~ ~~an article of matter~~ A process for producing a system based on peptides for detecting FMDV infected animals, for differentiating vaccinated and infected animals, or for immunizing animals against FMDV comprising including in ~~a product~~ ~~the composition~~ ~~the article~~ peptides according to Claim 6.--

--27. ~~a composition~~ ~~an article of matter~~ A process for producing a system based on peptides for detecting FMDV, for differentiating vaccinated and infected animals, or for immunizing animals against FMDV comprising including in ~~a product~~ ~~the article~~ ~~the composition~~ peptides according to Claim 7.--